

# WEST Search History for Application 10763357

Creation Date: 2010042609:00

manganese same (ammonium or (quaternaryammonium) or ammoniumchloride)PGPB,  
USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 04-28-2008  
(manganese same (ammonium or (quaternaryammonium) or ammoniumchloride) ) and  
electrolysisPGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 04-28-2008  
(manganese same (ammonium or (quaternaryammonium) or ammoniumchloride) and  
electrolysis ) and (electrolytic near5 manganese)PGPB, USPT, USOC, EPAB, JPAB, DWPI,  
TDBD OR YES 04-28-2008  
hcl or (hydrochloric or (hydrogen near3 chloride))PGPB, USPT, USOC, EPAB, JPAB, DWPI,  
TDBD OR YES 04-28-2008  
(manganese same (ammonium or (quaternaryammonium) or ammoniumchloride) ) and  
(electrolytic near5 manganese)PGPB, USPT, USOC, EPAB, JPAB, DWPI,  
TDBD OR YES 04-28-2008  
(manganese same (ammonium or (quaternaryammonium) or ammoniumchloride) and  
(electrolytic near5 manganese) ) and (hcl or (hydrochloric or (hydrogen near3 chloride))  
PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 04-28-2008  
(hcl or (hydrochloric or (hydrogen near3 chloride)) ) same (electrolytic near5  
manganese)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 04-28-2008

## Interference Searches

| Query  | DB   | Op. | Plur. | Thes. | Date       |
|--|------|-----|-------|-------|------------|
| manganese.clm.   | PGPB | OR  | YES   |       | 04-26-2010 |
| (manganese.clm.) and (geothermal near5 brine).clm.   | PGPB | OR  | YES   |       | 04-26-2010 |
| (manganese.clm.) and (quaternary near5 ammonium).clm.  | PGPB | OR  | YES   |       | 04-26-2010 |
| (manganese.clm. and (quaternary near5 ammonium).clm.)<br>and temperature.clm.                    | PGPB | OR  | YES   |       | 04-26-2010 |
| (manganese.clm. and (quaternary near5 ammonium).clm.<br>and temperature.clm.) and phosphate.clm. | PGPB | OR  | YES   |       | 04-26-2010 |

## Prior Art Searches

| Query                               | DB   | Op. | Plur. | Thes. | Date       |
|-------------------------------------|------|-----|-------|-------|------------|
| 4602820 or 5098578                  | USPT | OR  | YES   |       | 04-25-2010 |
| (4602820 or 5098578 ) and manganese | USPT | OR  | YES   |       | 04-25-2010 |
| 4500498 or 4624704                  | USPT | OR  | YES   |       | 04-25-2010 |
| (4500498 or 4624704 ) and manganese | USPT | OR  | YES   |       | 04-25-2010 |
| geothermal near5 brine              |      | OR  | YES   |       | 04-25-2010 |

|   |  |    |     |  |            |
|---|--|----|-----|--|------------|
|   | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD |    |     |  |            |
| <b>(geothermal near5 brine ) and manganese</b>  | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD | OR | YES |  | 04-25-2010 |
| <b>(geothermal near5 brine and manganese ) and (ammonium near5 hydroxide)</b>   | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD | OR | YES |  | 04-25-2010 |
| <b>(geothermal near5 brine and manganese ) and organic</b>  | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD | OR | YES |  | 04-25-2010 |
| <b>(geothermal near5 brine and manganese and organic ) not (geothermal near5 brine and manganese and (ammonium near5 hydroxide) )</b>                             | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD | OR | YES |  | 04-25-2010 |
| <b>10/160809.APP.</b>   | USPT, PGPB                               | OR | YES |  | 04-25-2010 |
| <b>(geothermal near5 brine and manganese and organic not geothermal near5 brine and manganese and (ammonium near5 hydroxide) ) and (manganese near5 chloride)</b> | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD | OR | YES |  | 04-25-2010 |
| <b>(geothermal near5 brine and manganese and organic not geothermal near5 brine and manganese and (ammonium near5 hydroxide) ) and (manganese near5 chloride)</b> | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD | OR | YES |  | 04-25-2010 |
| <b>(geothermal near5 brine ) and (manganese near5 chloride)</b>   | PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD | OR | YES |  | 04-25-2010 |